



# RADHA PANDEY

## EDUCATION

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Master of Technology in Computer Science  
**NIT Jalandhar**

*2019 - Present*

Bachelor of Engineering in CSE  
**Vivekananda Global University**  
CGPA: 8.8/10

*2013 - 2017*

Higher Secondary  
**Varanasi Public School**

*2012*

Secondary  
**Varanasi Public School**

*2010*

## PROJECTS

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**Machine Learning model to Improve system performance**

Ongoing Project

*Team: Radha Pandey and Anup Patel (IISc Bangalore)*

Using hardware performance counter to analyze and improve system performance by detecting anomaly behaviour and interferences.

**Unsupervised Learning Task of Clustering**

Design and implement an unsupervised learning task of clustering similar data points using k-means and spectral clustering algorithms. This project deals with eigenvalues, eigenvectors and one of their numerous applications, namely clustering. K-means and Spectral Clustering have been applied to two different datasets and observed the differences.

**Reconstruction and Classification of MNIST Dataset by K-NN Classifier**

MNIST is a handwritten dataset, originally has 60,000 digits with 784 (28x28) dimensions in its training set. In this assignment, a subset of MNIST dataset has been taken into account for reconstruction task using truncated SVD for different values of d and Reconstruction Error (RMSE) is calculated.

**Decision Tree Implementation From scratch**

M.tech Assignment

*Machine Learning Assignment*

Implemented Decision tree from scratch for Multilabel classification.

## Online Movie Ticket Booking System

B.tech Project

*Advisor: Dr. Salini Rajawat*

In this project i had build a online Movie ticket booking system like Bookmyshow. It Includes features like seat selection, ticket cancellation etc.

## INTERNSHIPS

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**GirnarSoft, Jaipur**

*Jan 2017- July 2017*

Technology: PHP

## COURSES

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Machine Learning, Digital Image Processing, Decision Support System, Advanced Computer Network.

## COMPUTER SKILLS

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**Basic Knowledge:** Python, C

## ACHIEVEMENTS

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- Secured 1st Rank in Poster competition in National Conference on Recent trends of Transistor.
- Secured 3rd rank in MTEA (Mathematical Technique in Engineering Applications).
- Completed Live Project based Training on Industrial Robotics (Vertex Group) in 2015

## INTERESTS AND ACTIVITIES

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Technology, Machine Learning, Programming

Sports, Crafting

Table Tennis, Handball, Chess

## VOLUNTEER EXPERIENCE

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- Core Team member in College Annual Fest (Panache 7).

## PERSONAL DATA

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**Place and Date of Birth:** Uttar Pradesh, India — 30 June 1996

**Address:** Varanasi, UP, India

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**Website:** <https://radha-pandey.github.io>

**Github:** <https://github.com/radha-pandey>